

**"Modulation of Cell Intrinsic Strain To Control Matrix Synthesis,
Secretion, Organization and Remodeling"**

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REPLACEMENT SHEET

TABLE I. PCR CONDITIONS USED FOR EACH GENE

| <u>Gene</u> | <u>Primer Sequence</u> | <u>Product Length (bp)</u> | <u>Cycle Conditions</u> | <u>Cycles</u> |
|--------------------|--|------------------------------------|-------------------------|--|
| Collagen I | 5'-GGTCCTCAGGGTCTTCTGG-3' 3'-CACCAAGGGCACCGTGACT-5' | (SEQ ID NO: 1) (SEQ ID NO: 2) | 184 | 94°C, 5 min 94°C, 1 min; 45°C, 1 min; 72°C, 30 s 72°C, 5 min |
| Collagen III | 5'-AGGTGAACGTGGTCCACAAGGT-3' 3'-GCACCAGCTGGTCCAGTCTCT-5' | (SEQ ID NO: 3) (SEQ ID NO: 4) | 300 | 94°C, 5 min 94°C, 1 min; 65°C, 1 min; 72°C, 5 min 72°C, 5 min |
| Collagen XII | 5'-AGTATCAGTCTGGGCCTGGCAA-3' 3'-TTCTCCCTCTCCAGAAAGGGCTT-3' | (SEQ ID NO: 5) (SEQ ID NO: 6) | 300 | 94°C, 5 min 94°C, 1 min; 65°C, 1 min; 72°C, 1 min 72°C, 5 min |
| Decorin | 5'-CATCCCTTAATGAGCTTCACCTT-3' 3'-ACTCACACCAATAAGGTGCTCTG-5' | (SEQ ID NO: 7) (SEQ ID NO: 8) | 300 | 94°C, 5 min 94°C, 1 min; 65°C, 1 min; 72°C, 1 min 72°C, 5 min |
| Tenascin | 5'-TGTCTACAACATCAAGCTGCCCTGT-3' 3'-AGCCTGCCCTTACCTTCTGCTGT-5' | (SEQ ID NO: 9) (SEQ ID NO: 10) | 298 | 94°C, 5 min 94°C, 1 min; 65°C, 1 min; 72°C, 1 min 72°C, 5 min |
| Prolyl-hydroxylase | 5'-AACAGCCAATGAAGTAGAGGGCAGT-3' 3'-ACGACAATGCGTTGGTTACTCA-5' | (SEQ ID NO: 11) (SEQ ID NO: 12) | 300 | 94°C, 5 min 94°C, 1 min; 60°C, 1 min; 72°C, 1 min 72°C, 5 min |
| β-Actin | 5'-GCCATCCTGGTCTGGACCGGGCT-3' 3'-GTGATGACCTGGCCGTCAAGGCAGC-5' | (SEQ ID NO: 13) (SEQ ID NO: 14) | 227 | 94°C, 5 min 94°C, 1 min; 60°C, 1 min; 72°C, 30 s 72°C, 5 min |